

Abstract of the Disclosure

TACTILE FEEDBACK SYSTEM FOR A REMOTELY CONTROLLED  
WORK MACHINE

A control system for a work machine having a hydraulic actuator is provided. An input device generates a movement signal to control the movement of the hydraulic actuator. A sensor senses a parameter indicative of a magnitude of a force exerted by the hydraulic actuator. A first controller controls the motion of the hydraulic actuator and has a first receiver that receives the movement signal and a first transmitter that transmits a force signal including an indication of the force exerted by the hydraulic actuator. A second controller is operatively connected to the input device and has a second transmitter that transmits the movement signal and a second receiver that receives the force signal. A force generator exerts a feedback force on the input device. The magnitude of the feedback force is related to the magnitude of the force.